

ABSTRACT:

An improved flexural pivot design simplifies the structure, fabrication, assembly, and integration into a device. A set of flexures 200 is affixed to two surfaces of a stationary member 100 and a single surface of a rotational member 300. The set of flexures follow opposing centers of curvature 411 and 412 to provide a stable center of rotation 400 and allow repeatable limited-angle rotational motion.